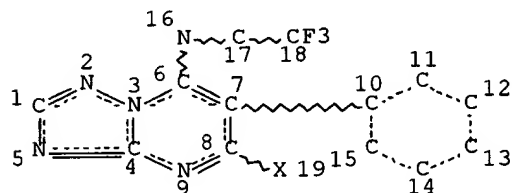


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This file contains CAS Registry Numbers for easy and accurate substance identification.

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=> d stat que
L1 STR
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GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 19

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=> d 1-11 ibib abs hitstr
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L5 ANSWER 1 OF 11 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2002:392233 HCAPLUS

DOCUMENT NUMBER: 136:386133

TITLE: Preparation of 6-(2-trifluoromethylphenyl)triazolopyrimidines as agrochemical fungicides

INVENTOR(S): Pees, Klaus-Juergen; Schieweck, Frank; Blasco, Jordi Tormo I.; Sauter, Hubert; Cullman, Oliver; Muller, Bernd; Grote, Thomas; Gypser, Andreas; Rheinheimer, Joachim; Rose, Ingo; Schafer, Peter; Ammermann, Eberhard; Strathmann, Siegfried; Lorenz, Gisela; Stierl, Reinhard

PATENT ASSIGNEE(S): BASF Corporation, USA

SOURCE: U.S. Pat. Appl. Publ., 13 pp., Cont.-in-part of U.S. Ser. No. 566,339.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002061882	A1	20020523	US 2000-735126	20001212
WO 2002046195	A1	20020613	WO 2000-EP12271	20001206

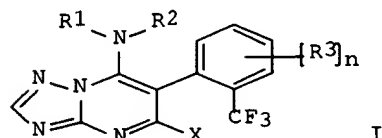
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 2000-566339 A2 20000508
US 2000-735126 A 20001212

OTHER SOURCE(S): MARPAT 136:386133

GI



AB The title compds. [I; R1, R2 = H, alkyl, cycloalkyl, Ph, etc.; or R1 and R2 together with the interjacent nitrogen atom represent (un)substituted 5-6 membered heterocyclic ring, contg. 1-4 nitrogen atoms or 1-3 nitrogen atoms and one sulfur or oxygen atom; R3 = H, halo, alkyl, alkoxy and haloalkyl; X = halo], useful for controlling phytopathogenic fungi, were prepd. E.g., a multi-step synthesis of I [NR1R2 = 4-methylpiperidino; R3 = 5-F; X = Cl] which showed severe inhibition of Rhizoctonia solani growth

Berch '09/840,488

at 25 ppm in vitro, was given.

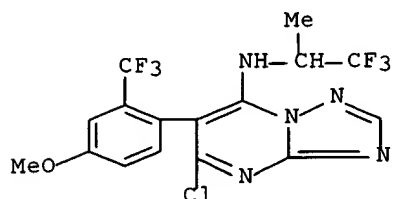
IT 426213-15-2P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of 6-(2-trifluoromethylphenyl)triazolopyrimidines as agrochem. fungicides)

RN 426213-15-2 HCAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-[4-methoxy-2-(trifluoromethyl)phenyl]-N-(2,2,2-trifluoro-1-methylethyl)- (9CI) (CA INDEX NAME)



L5 ANSWER 2 OF 11 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2002:31452 HCAPLUS

DOCUMENT NUMBER: 136:96032

TITLE: Substituted triazolopyrimidines as anticancer agents

INVENTOR(S): Schmitt, Mark R.; Kirsch, Donald R.; Harris, Jane E.; Beyer, Carl F.; Pees, Klaus-Juergen; Carter, Paul; Pfrengle, Waldemar; Albert, Guido

PATENT ASSIGNEE(S): American Home Products Corporation, USA

SOURCE: PCT Int. Appl., 405 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002002563	A2	20020110	WO 2001-US20672	20010628
W:				
AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW:				
GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 2001073062	A5	20020114	AU 2001-73062	20010628
US 2002068744	A1	20020606	US 2001-895975	20010629
PRIORITY APPLN. INFO.:			US 2000-215585P P	20000630
			WO 2001-US20672 W	20010628
OTHER SOURCE(S):		MARPAT 136:96032		

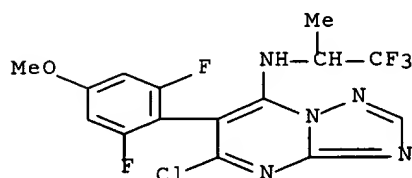
AB A method is provided for treating or inhibiting the growth of cancerous tumor cells and assocd. diseases in a mammal in need thereof which comprises administering to the mammal an effective amt. of a substituted triazolopyrimidine deriv. or a pharmaceutically acceptable salt thereof. Also provided is a method for treating or inhibiting the growth of cancerous tumor cells and assocd. diseases in a mammal in need thereof by interacting with tubulin and microtubules and promoting microtubule polymn. which comprises administering to the mammal an effective amt. of a substituted triazolopyrimidine deriv. or a pharmaceutically acceptable salt thereof.

IT 214634-49-8 244092-24-8 244092-25-9
244092-30-6 244092-31-7 244092-39-5
244092-46-4 388060-95-5 388060-99-9
388061-07-2 388061-08-3 388061-12-9
388061-13-0 388061-60-7 388061-61-8

RL: DMA (Drug mechanism of action); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(triazolopyrimidine derivs. as anticancer agents)

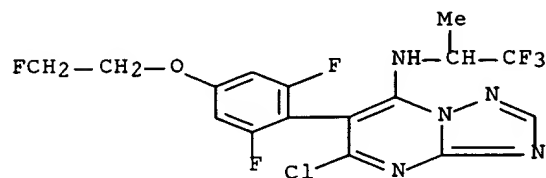
RN 214634-49-8 HCAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(2,6-difluoro-4-methoxyphenyl)-N-(2,2,2-trifluoro-1-methylethyl)- (9CI) (CA INDEX NAME)



RN 244092-24-8 HCAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-[2,6-difluoro-4-(2-fluoroethoxy)phenyl]-N-(2,2,2-trifluoro-1-methylethyl)- (9CI) (CA INDEX NAME)

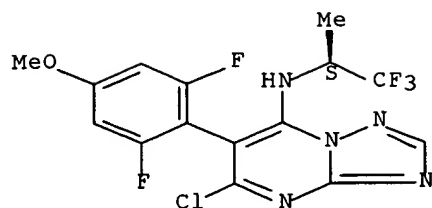


RN 244092-25-9 HCAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(2,6-difluoro-4-methoxyphenyl)-N-[(1S)-2,2,2-trifluoro-1-methylethyl]- (9CI) (CA INDEX NAME)

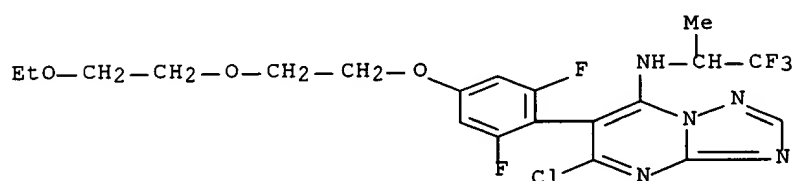
Absolute stereochemistry.

Berch '09/840,488



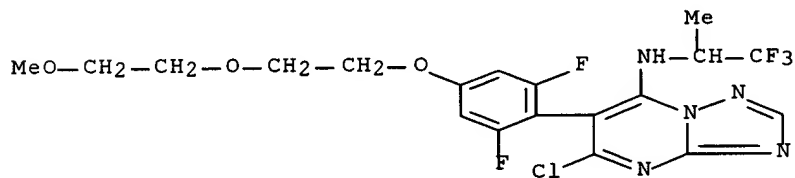
RN 244092-30-6 HCAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-[4-[2-(2-ethoxyethoxy)ethoxy]-2,6-difluorophenyl]-N-(2,2,2-trifluoro-1-methylethyl)- (9CI) (CA INDEX NAME)



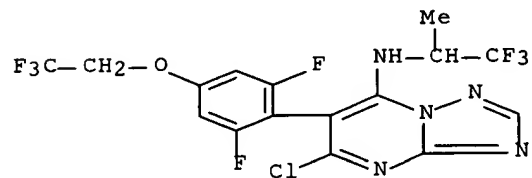
RN 244092-31-7 HCAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-[2,6-difluoro-4-[2-(2-methoxyethoxy)ethoxy]phenyl]-N-(2,2,2-trifluoro-1-methylethyl)- (9CI) (CA INDEX NAME)



RN 244092-39-5 HCAPLUS

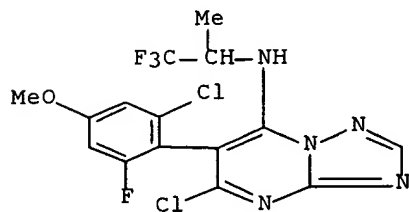
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-[2,6-difluoro-4-(2,2,2-trifluoroethoxy)phenyl]-N-(2,2,2-trifluoro-1-methylethyl)- (9CI) (CA INDEX NAME)



Berch 09/840,488

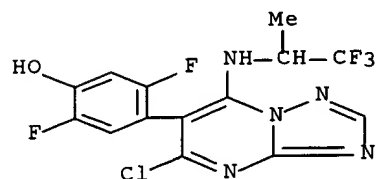
RN 244092-46-4 HCAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(2-chloro-6-fluoro-4-methoxyphenyl)-N-(2,2,2-trifluoro-1-methylethyl)- (9CI) (CA INDEX NAME)



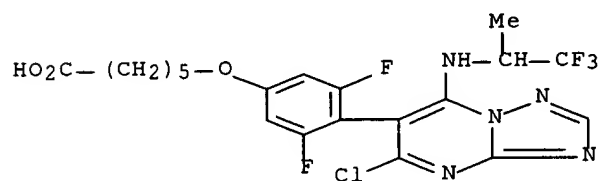
RN 388060-95-5 HCAPLUS

CN Phenol, 4-[5-chloro-7-[(2,2,2-trifluoro-1-methylethyl)amino][1,2,4]triazolo[1,5-a]pyrimidin-6-yl]-2,5-difluoro- (9CI) (CA INDEX NAME)



RN 388060-99-9 HCAPLUS

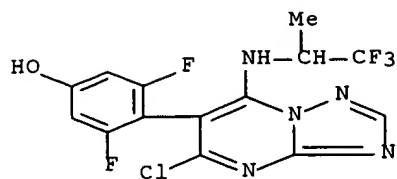
CN Hexanoic acid, 6-[4-[5-chloro-7-[(2,2,2-trifluoro-1-methylethyl)amino][1,2,4]triazolo[1,5-a]pyrimidin-6-yl]-3,5-difluorophenoxy]- (9CI) (CA INDEX NAME)



RN 388061-07-2 HCAPLUS

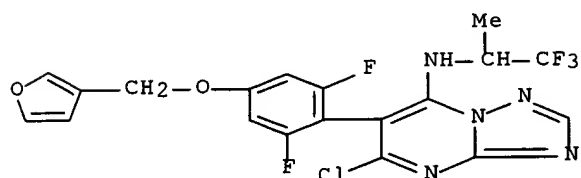
CN Phenol, 4-[5-chloro-7-[(2,2,2-trifluoro-1-methylethyl)amino][1,2,4]triazolo[1,5-a]pyrimidin-6-yl]-3,5-difluoro- (9CI) (CA INDEX NAME)

Berch '09/840,488



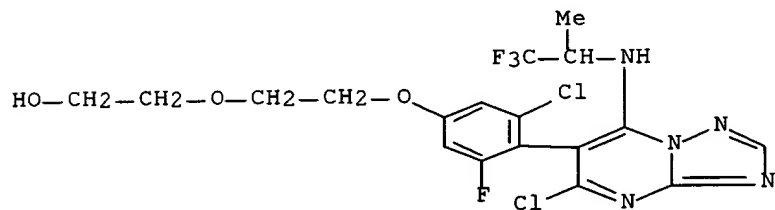
RN 388061-08-3 HCAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-[2,6-difluoro-4-(3-furanylmethoxy)phenyl]-N-(2,2,2-trifluoro-1-methylethyl)- (9CI) (CA INDEX NAME)



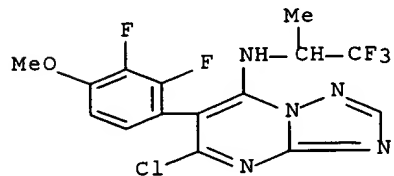
RN 388061-12-9 HCAPLUS

CN Ethanol, 2-[2-[3-chloro-4-[5-chloro-7-[(2,2,2-trifluoro-1-methylethyl)amino][1,2,4]triazolo[1,5-a]pyrimidin-6-yl]-5-fluorophenoxy]ethoxy]- (9CI) (CA INDEX NAME)



RN 388061-13-0 HCAPLUS

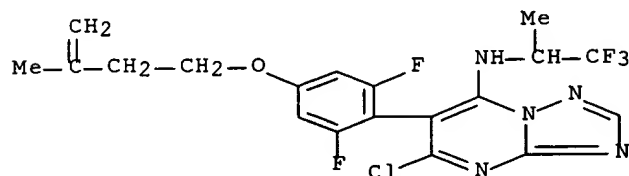
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(2,3-difluoro-4-methoxyphenyl)-N-(2,2,2-trifluoro-1-methylethyl)- (9CI) (CA INDEX NAME)



RN 388061-60-7 HCAPLUS

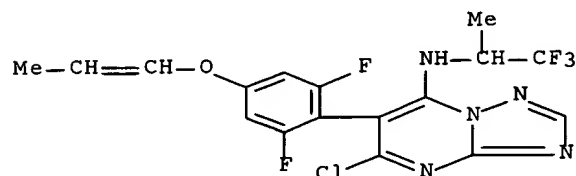
Berch 09/840,488

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-[2,6-difluoro-4-[(3-methyl-3-butenyl)oxy]phenyl]-N-(2,2,2-trifluoro-1-methylethyl)- (9CI) (CA INDEX NAME)



RN 388061-61-8 HCAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-[2,6-difluoro-4-(1-propenyloxy)phenyl]-N-(2,2,2-trifluoro-1-methylethyl)- (9CI) (CA INDEX NAME)



L5 ANSWER 3 OF 11 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:614328 HCAPLUS

DOCUMENT NUMBER: 135:176724

TITLE: Synergistic fungicidal mixtures containing
azolopyrimidine and synthetic strobilurine derivatives
INVENTOR(S): Cotter, Henry Van Tuyl; May, Leslie; Reichert, Gunter;
Sieverding, Ewald

PATENT ASSIGNEE(S): American Cynamid Co., USA

SOURCE: U.S., 15 pp.
CODEN: USXXAM

DOCUMENT TYPE: Patent

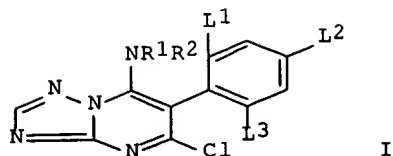
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6277856	B1	20010821	US 1999-404910	19990924
PRIORITY APPLN. INFO.:			US 1998-101769P	P 19980925
OTHER SOURCE(S):	MARPAT	135:176724		

GI



AB A synergistic fungicidal compns. comprise (a) at least one azolopyrimidine I (R1 = C1-6 alkyl, C3-6 alkenyl, C1-6 haloalkyl; or R2 = H, C1-6 alkyl; or R1R2 = C3-8 alkylene; L1 = halo; L2, L3 = H, halo) and (b) a synthetic strobilurine deriv. The compns. are used for controlling wheat leaf rust, wheat Septoria leaf blotch and/or wheat powdery mildew.

IT 261516-06-7 261516-07-8 261516-08-9
 261516-09-0 261516-10-3 261516-11-4
 261516-12-5 261516-13-6 261516-16-9
 261516-18-1 261516-19-2 261516-22-7
 261516-23-8 261516-24-9 261516-26-1
 261516-27-2

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (synergistic fungicidal mixts. contg.)

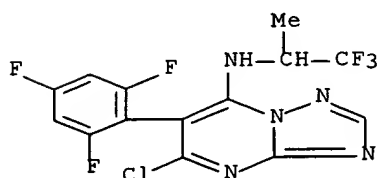
RN 261516-06-7 HCAPLUS

CN Cyclopentanol, 5-[(4-chlorophenyl)methyl]-2,2-dimethyl-1-(1H-1,2,4-triazol-1-ylmethyl)-, mixt. with 5-chloro-N-(2,2,2-trifluoro-1-methylethyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (9CI) (CA INDEX NAME)

CM 1

CRN 214633-94-0

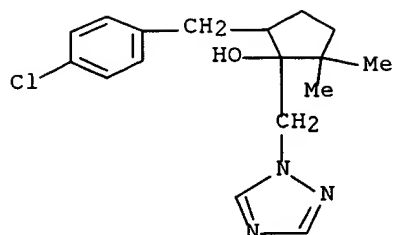
CMF C14 H8 Cl F6 N5



CM 2

CRN 125116-23-6

CMF C17 H22 Cl N3 O

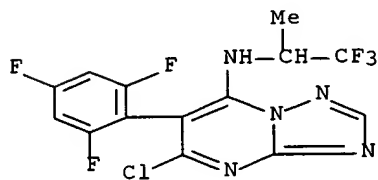


RN 261516-07-8 HCAPLUS
 CN Benzeneacetic acid, .alpha.-(methoxyimino)-2-[(2-methylphenoxy)methyl]-, methyl ester, (.alpha.E)-, mixt. with 5-chloro-N-(2,2,2-trifluoro-1-methylethyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (9CI) (CA INDEX NAME)

CM 1

CRN 214633-94-0

CMF C14 H8 Cl F6 N5



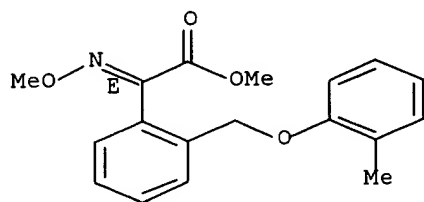
CM 2

CRN 143390-89-0

CMF C18 H19 N O4

CDES 2:E

Double bond geometry as shown.



RN 261516-08-9 HCAPLUS
 CN 1,4-Oxathiin-3-carboxamide, 5,6-dihydro-2-methyl-N-phenyl-, mixt. with 5-chloro-N-(2,2,2-trifluoro-1-methylethyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (9CI) (CA INDEX

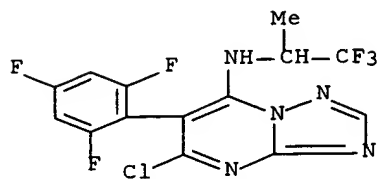
Berch 09/840,488

NAME)

CM 1

CRN 214633-94-0

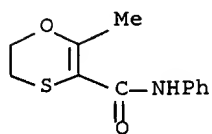
CMF C14 H8 Cl F6 N5



CM 2

CRN 5234-68-4

CMF C12 H13 N O2 S



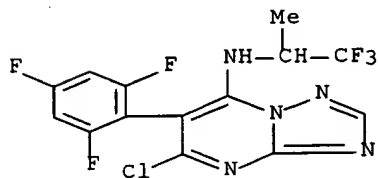
RN 261516-09-0 HCAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-(2,2,2-trifluoro-1-methylethyl)-6-(2,4,6-trifluorophenyl)-, mixt. with 3-chloro-N-[3-chloro-2,6-dinitro-4-(trifluoromethyl)phenyl]-5-(trifluoromethyl)-2-pyridinamine (9CI) (CA INDEX NAME)

CM 1

CRN 214633-94-0

CMF C14 H8 Cl F6 N5

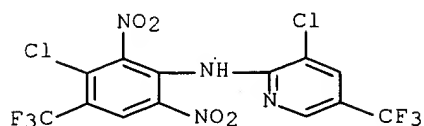


CM 2

Berch 09/840,488

CRN 79622-59-6

CMF C13 H4 Cl2 F6 N4 O4



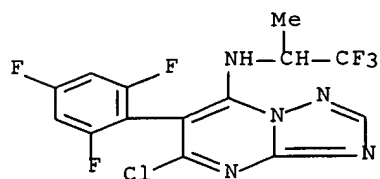
RN 261516-10-3 HCAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-(2,2,2-trifluoro-1-methylethyl)-6-(2,4,6-trifluorophenyl)-, mixt. with 5,7-dichloro-4-(4-fluorophenoxy)quinoline (9CI) (CA INDEX NAME)

CM 1

CRN 214633-94-0

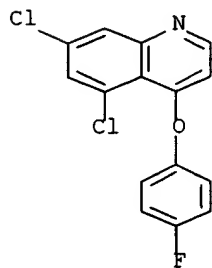
CMF C14 H8 Cl F6 N5



CM 2

CRN 124495-18-7

CMF C15 H8 Cl2 F N O



RN 261516-11-4 HCAPLUS

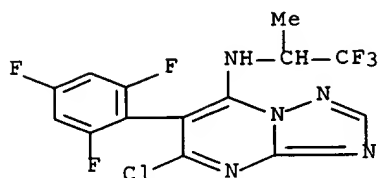
CN Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-, methyl ester, mixt. with 5-chloro-N-(2,2,2-trifluoro-1-methylethyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (9CI) (CA INDEX NAME)

Berch 09/840,488

CM 1

CRN 214633-94-0

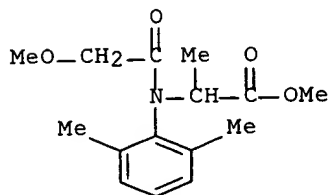
CMF C14 H8 Cl F6 N5



CM 2

CRN 57837-19-1

CMF C15 H21 N O4



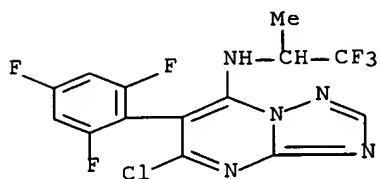
RN 261516-12-5 HCAPLUS

CN 2,4-Oxazolidinedione, 5-methyl-5-(4-phenoxyphenyl)-3-(phenylamino)-, mixt.
with 5-chloro-N-(2,2,2-trifluoro-1-methylethyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (9CI) (CA INDEX
NAME)

CM 1

CRN 214633-94-0

CMF C14 H8 Cl F6 N5

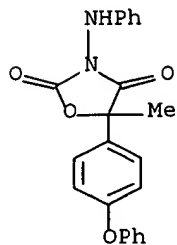


Berch 09/840,488

CM 2

CRN 131807-57-3

CMF C22 H18 N2 O4



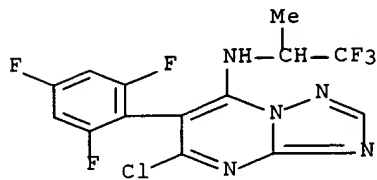
RN 261516-13-6 HCAPLUS

CN Guanidine, dodecyl-, monoacetate, mixt. with 5-chloro-N-(2,2,2-trifluoro-1-methylethyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (9CI) (CA INDEX NAME)

CM 1

CRN 214633-94-0

CMF C14 H8 Cl F6 N5



CM 2

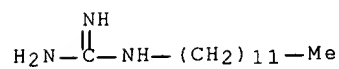
CRN 2439-10-3

CMF C13 H29 N3 . C2 H4 O2

CM 3

CRN 112-65-2

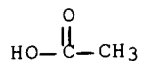
CMF C13 H29 N3



CM 4

Berch 09/840,488

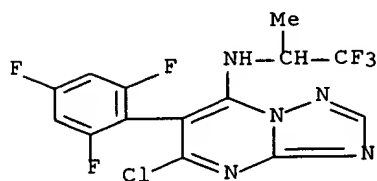
CRN 64-19-7
CMF C2 H4 O2



RN 261516-16-9 HCAPLUS
CN Formamide, N,N'-[1,4-piperazinediylbis(2,2,2-trichloroethylidene)]bis-,
mixt. with 5-chloro-N-(2,2,2-trifluoro-1-methylethyl)-6-(2,4,6-
trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (9CI) (CA INDEX
NAME)

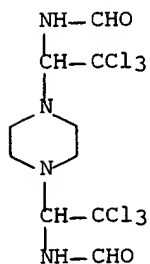
CM 1

CRN 214633-94-0
CMF C14 H8 Cl F6 N5



CM 2

CRN 26644-46-2
CMF C10 H14 Cl6 N4 O2



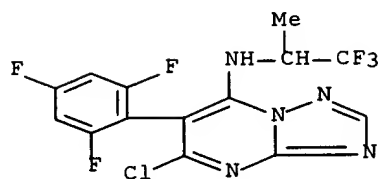
RN 261516-18-1 HCAPLUS
CN Naphtho[2,3-b]-1,4-dithiin-2,3-dicarbonitrile, 5,10-dihydro-5,10-dioxo-,
mixt. with 5-chloro-N-(2,2,2-trifluoro-1-methylethyl)-6-(2,4,6-
trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (9CI) (CA INDEX
NAME)

Berch 09/840,488

CM 1

CRN 214633-94-0

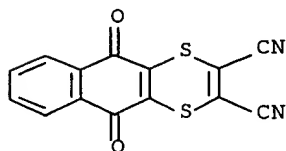
CMF C14 H8 Cl F6 N5



CM 2

CRN 3347-22-6

CMF C14 H4 N2 O2 S2



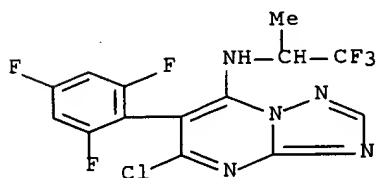
RN 261516-19-2 HCAPLUS

CN 1H-Isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-, mixt. with 5-chloro-N-(2,2,2-trifluoro-1-methylethyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (9CI) (CA INDEX NAME)

CM 1

CRN 214633-94-0

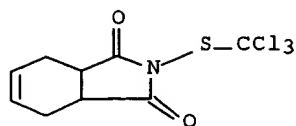
CMF C14 H8 Cl F6 N5



CM 2

CRN 133-06-2

CMF C9 H8 Cl3 N O2 S

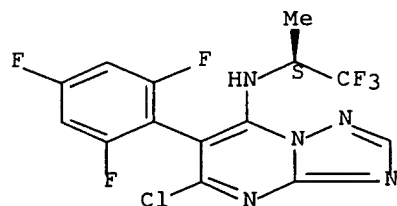


RN 261516-22-7 HCAPLUS
 CN Cyclohexanecarboxamide, N-(2,3-dichloro-4-hydroxyphenyl)-1-methyl-, mixt. with 5-chloro-N-[(1S)-2,2,2-trifluoro-1-methylethyl]-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (9CI) (CA INDEX NAME)

CM 1

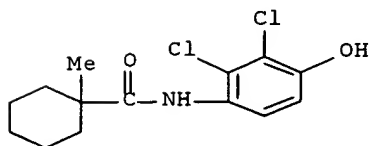
CRN 249648-16-6
 CMF C14 H8 Cl F6 N5

Absolute stereochemistry.



CM 2

CRN 126833-17-8
 CMF C14 H17 Cl2 N O2



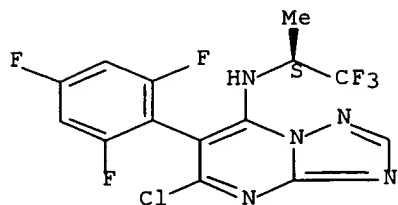
RN 261516-23-8 HCAPLUS
 CN Benzeneacetic acid, 2-[[6-(2-cyanophenoxy)-4-pyrimidinyl]oxy]-.alpha.-(methoxymethylene)-, methyl ester, (.alpha.E)-, mixt. with 5-chloro-N-[(1S)-2,2,2-trifluoro-1-methylethyl]-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (9CI) (CA INDEX NAME)

CM 1

Berch 09/840,488

CRN 249648-16-6
CMF C14 H8 Cl F6 N5

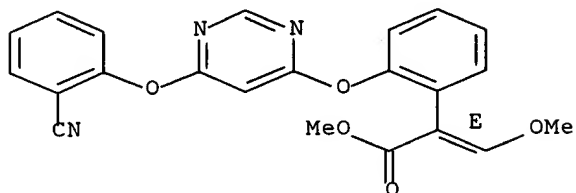
Absolute stereochemistry.



CM 2

CRN 131860-33-8
CMF C22 H17 N3 O5
CDES 2:E

Double bond geometry as shown.



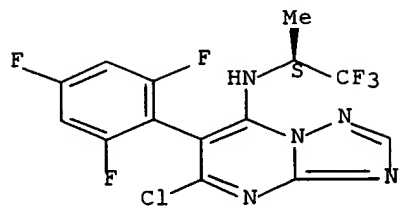
RN 261516-24-9 HCAPLUS
CN Benzeneacetic acid, .alpha.-(methoxyimino)-2-[[[(E)-[1-[3-(trifluoromethyl)phenyl]ethylidene]amino]oxy]methyl]-, methyl ester, (.alpha.E)-, mixt. with 5-chloro-N-[(1S)-2,2,2-trifluoro-1-methylethyl]-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (9CI) (CA INDEX NAME)

CM 1

CRN 249648-16-6
CMF C14 H8 Cl F6 N5

Absolute stereochemistry.

Berch 09/840,488



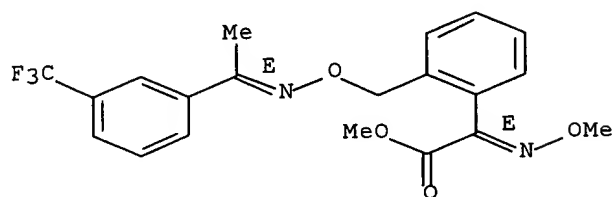
CM 2

CRN 141517-21-7

CMF C20 H19 F3 N2 O4

CDES 2:E,E

Double bond geometry as shown.



RN 261516-26-1 HCAPLUS

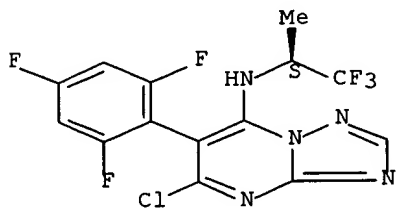
CN Benzeneacetic acid, .alpha.-(methoxyimino)-2-[(2-methylphenoxy)methyl]-, methyl ester, (.alpha.E)-, mixt. with 5-chloro-N-[(1S)-2,2,2-trifluoro-1-methylethyl]-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (9CI) (CA INDEX NAME)

CM 1

CRN 249648-16-6

CMF C14 H8 Cl F6 N5

Absolute stereochemistry.

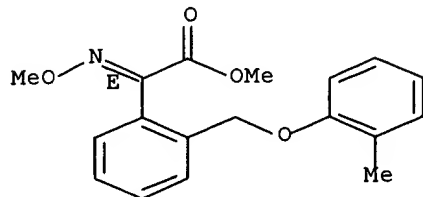


CM 2

Berch 09/840,488

CRN 143390-89-0
CMF C18 H19 N O4
CDES 2:E

Double bond geometry as shown.

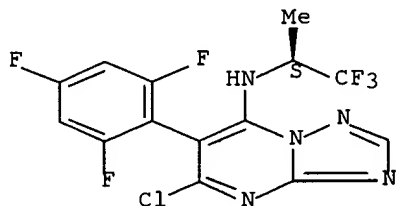


RN 261516-27-2 HCAPLUS
CN 1H-1,2,4-Triazole-1-ethanol, .alpha.-(4-chlorophenyl)-.alpha.-(1-cyclopropylethyl)-, mixt. with 5-chloro-N-[(1S)-2,2,2-trifluoro-1-methylethyl]-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (9CI) (CA INDEX NAME)

CM 1

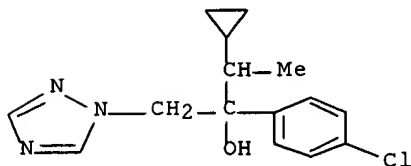
CRN 249648-16-6
CMF C14 H8 Cl F6 N5

Absolute stereochemistry.



CM 2

CRN 94361-06-5
CMF C15 H18 Cl N3 O



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 11 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:560065 HCAPLUS

DOCUMENT NUMBER: 135:118256

TITLE: Synergistic fungicidal mixtures comprising azolopyrimidine and phenoxyamide derivatives

INVENTOR(S): Sieverding, Ewald; May, Leslie

PATENT ASSIGNEE(S): American Cyanamid Co., USA

SOURCE: U.S., 7 pp.
CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6268371	B1	20010731	US 1999-391794	19990909
PRIORITY APPLN. INFO.:			US 1998-99780P	P 19980910
OTHER SOURCE(S):		MARPAT 135:118256		

AB The title mixts. comprise 5-chloro-6-(2,4,6-trifluorophenyl)-7-(1,1,1-trifluoroprop-2-ylamino)-[1,2,4]triazolo[1,5-a]pyrimidine or a related azolopyrimidine and a melanin biosynthesis inhibitor (MBI), preferably a N-(1-cyano-1,2-dimethylpropyl)-2-(2,4-dichlorophenoxy)propionamide or a related phenoxyamide. The mixts. are esp. useful for controlling *Pyricularia oryzae* in rice.

IT 261967-30-0

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic fungicidal mixt.)

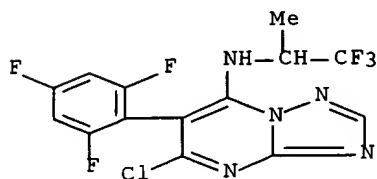
RN 261967-30-0 HCAPLUS

CN Propanamide, N-(1-cyano-1,2-dimethylpropyl)-2-(2,4-dichlorophenoxy)-, mixt. with 5-chloro-N-(2,2,2-trifluoro-1-methylethyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (9CI) (CA INDEX NAME)

CM 1

CRN 214633-94-0

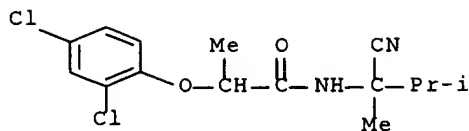
CMF C14 H8 Cl F6 N5



CM 2

CRN 115852-48-7

CMF C15 H18 Cl2 N2 O2



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 5 OF 11 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:480706 HCAPLUS

DOCUMENT NUMBER: 135:61350

TITLE: Preparation of 5-halo-6-phenyl-7-N-(2,2,2-trifluoroethylamino)-1,2,4-triazolo[1,5-a]pyrimidine agrochemical fungicides

INVENTOR(S): Pees, Klaus-Juergen; Krummel, Guenter; Cotter, Henry Van Tuyt; Albert, Guido; Rehnig, Annerose; May, Leslie; Pfrengle, Waldemar

PATENT ASSIGNEE(S): American Cyanomid Co., USA

SOURCE: U.S., 6 pp.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

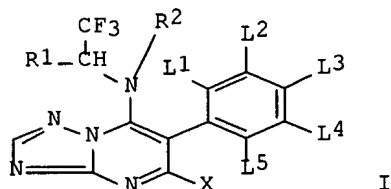
PATENT INFORMATION:

parent

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6255309	B1	20010703	US 1999-272916	19990319

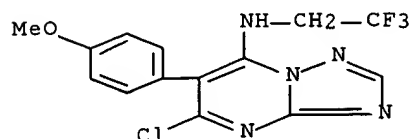
OTHER SOURCE(S): CASREACT 135:61350; MARPAT 135:61350

GI

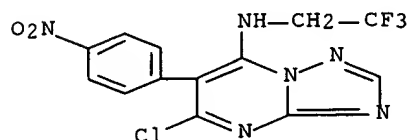


AB The title compds. (I; R1 = hydrogen, methyl; R2 = hydrogen, C1-10 alkyl; X = halogen; L1-L5 = hydrogen, halogen, alkyl, alkoxy; nitro; provided that at least one of L1-L5 = nitro or alkoxy, and further provided that when L3 = alkoxy then L2 and L4 .noteq. hydrogen), useful as agrochem. fungicides (no data), are prepd. Thus, 2,2,2-trifluoroethylamine was reacted with 5,7-dichloro-6-(4-methoxyphenyl)-1,2,4-triazolo[1,5-a]pyrimidine, forming 5-Chloro-6-(4-methoxyphenyl)-7-N-(2,2,2-trifluoroethylamino)-1,2,4-

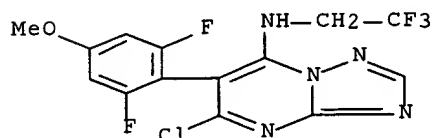
IT triazolo[1,5-a]pyrimidine, m.p. 183-185.degree..
214634-35-2P 214634-36-3P 244092-08-8P
RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of 5-halo-6-phenyl-7-N-(2,2,2-trifluoroethylamino)-1,2,4-triazolo[1,5-a]pyrimidine agrochem. fungicides)
RN 214634-35-2 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(4-methoxyphenyl)-N-(2,2,2-trifluoroethyl)- (9CI) (CA INDEX NAME)



RN 214634-36-3 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(4-nitrophenyl)-N-(2,2,2-trifluoroethyl)- (9CI) (CA INDEX NAME)



RN 244092-08-8 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(2,6-difluoro-4-methoxyphenyl)-N-(2,2,2-trifluoroethyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 6 OF 11 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:195201 HCAPLUS

DOCUMENT NUMBER: 134:233069

TITLE: Preparation of optically active fungicidal

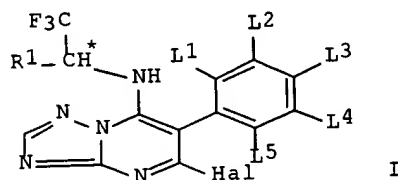
trifluoromethylalkylamino-triazolopyrimidines

INVENTOR(S): Pfrengle, Waldemar; Pees, Klaus-Juergen; Albert, Guido; Carter, Paul; Rehnig, Annerose; Cotter, Henry Van Tuyl

PATENT ASSIGNEE(S): American Cyanamid Co., USA
 SOURCE: U.S., 11 pp., Cont.-in-part of U.S. 5,986,135.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6204269	B1	20010320	US 1999-406574	19990924
US 5986135	A	19991116	US 1998-160894	19980925
			US 1998-160894	A2 19980925

PRIORITY APPLN. INFO.:
 OTHER SOURCE(S): MARPAT 134:233069
 GI



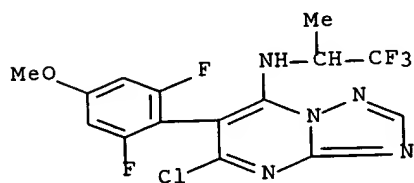
AB Optically active 7-(1,1,1-trifluoroalk-2-ylamino)-triazolopyrimidines I (R1 = C2-C6 alkyl; CH* = chiral carbon atom; Hal = halo; L1-L5 = H, halo, alkyl, alkoxy, or nitro), characterized in that the enantiomeric excess of the (S)-enantiomer is at least 70%, are prepd. and show enhanced selective fungicidal activity against phytopathogenic fungi. The new compds. are processed with carriers, and optionally with adjuvants, to form fungicidal compns.

IT 214634-49-8P 329911-43-5P 329911-44-6P
 329911-45-7P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of fungicidal optically active enantiomers of)

RN 214634-49-8 HCAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(2,6-difluoro-4-methoxyphenyl)-N-(2,2,2-trifluoro-1-methylethyl)- (9CI) (CA INDEX NAME)

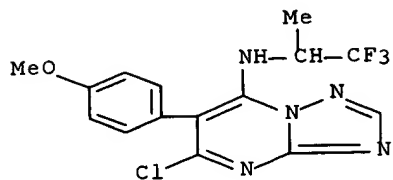


RN 329911-43-5 HCAPLUS

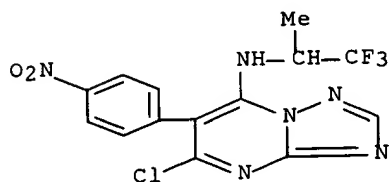
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(4-methoxyphenyl)-N-

Berch 09/840,488

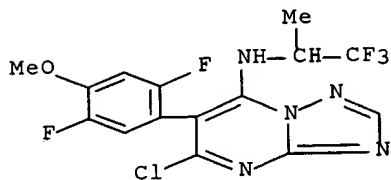
(2,2,2-trifluoro-1-methylethyl)- (9CI) (CA INDEX NAME)



RN 329911-44-6 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(4-nitrophenyl)-N-(2,2,2-trifluoro-1-methylethyl)- (9CI) (CA INDEX NAME)



RN 329911-45-7 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(2,5-difluoro-4-methoxyphenyl)-N-(2,2,2-trifluoro-1-methylethyl)- (9CI) (CA INDEX NAME)

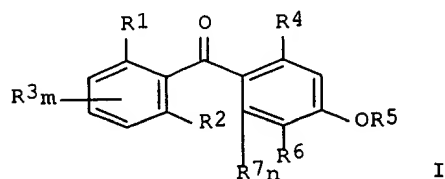


REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 7 OF 11 HCAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2000:534803 HCAPLUS
DOCUMENT NUMBER: 133:131168
TITLE: Synergistic fungicidal mixtures
INVENTOR(S): Van Tuyl Cotter, Henry; Reichert, Gunter; Sieverding, Ewald; Jegerings, Petrus Martinus Franciscus Emanuel
PATENT ASSIGNEE(S): American Cyanamid Co., USA
SOURCE: Eur. Pat. Appl., 48 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1023834	A1	20000802	EP 2000-300637	20000128
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
US 6346535	B1	20020212	US 1999-240412	19990129
US 2002099062	A1	20020725	US 2002-46190	20020116
US 2002099063	A1	20020725	US 2002-46197	20020116
PRIORITY APPLN. INFO.:			US 1999-240412	A 19990129
OTHER SOURCE(S):			MARPAT 133:131168	
GI				



AB The title compns. comprise a benzophenone deriv. mixed with at least one fungicide selected from a ergosterol biosynthesis inhibitor, a strobilurine deriv., a melanin biosynthesis inhibitor, a compd. selected from acibenzolar, benomyl, captan, carboxin, chlorothalonil, copper, cyprodinil, dinocap, dithianon, dimethomorph, dodine, ethirimol, famoxadone, fenpiclonil, fluazinam, mancozeb, metalaxyl, pyrifenoxy, sulfur, vinclozolin, and/or an azolopyrimidine deriv. (Markush given). The benzophenone deriv. is I [R1 = OH, halo or (un)substituted alkyl, alkanoyloxy or alkoxy; R2 = halo or (un)substituted alkyl; R3 = halo, NO2 or (un)substituted alkyl or alkoxy; R4 = halo, CN, OH, CO2H, NH2, NO2, or (un)substituted alkyl, alkoxy, alkenyl, alkylthio, alkylsulfinyl or alkylsulfonyl; R5 = (un)substituted alkyl; R6 = halo, NO2, (un)substituted alkyl, alkoxy, aryloxy, etc.; R7 = halo, (un)substituted (cyclo)alkyl, alkenyl, (cyclo)alkoxy, etc.; m = 0, 1-3; n = 0 or 1].

IT **286844-64-2**

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic fungicidal compn.)

RN 286844-64-2 HCAPLUS

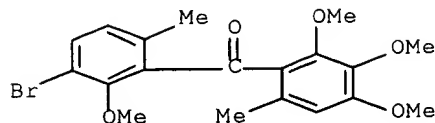
CN Methanone, (3-bromo-2-methoxy-6-methylphenyl) (2,3,4-trimethoxy-6-methylphenyl)-, mixt. with 5-chloro-N-(2,2,2-trifluoro-1-methylethyl)-6-(2,4,6-trifluorophenyl) [1,2,4]triazolo[1,5-a]pyrimidin-7-amine (9CI) (CA INDEX NAME)

CM 1

CRN 286837-21-6

CMF C19 H21 Br O5

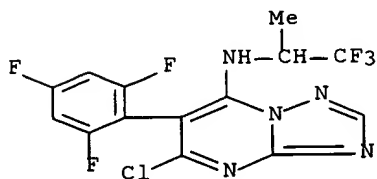
Berch 09/840,488



CM 2

CRN 214633-94-0

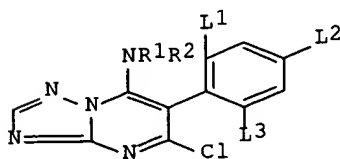
CMF C14 H8 Cl F6 N5



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 8 OF 11 HCAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2000:209602 HCAPLUS
DOCUMENT NUMBER: 132:218331
TITLE: Synergistic fungicidal mixtures
INVENTOR(S): Cotter, Henry Van Tuyl; May, Leslie Francis; Reichert, Gunter; Sieverding, Ewald
PATENT ASSIGNEE(S): American Cyanamid Company, USA
SOURCE: Eur. Pat. Appl., 334 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 988790	A1	20000329	EP 1999-307521	19990923
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
PRIORITY APPLN. INFO.:		US 1998-160310	19980925	
OTHER SOURCE(S):		MARPAT 132:218331		
GI				



I

AB The title fungicidal compns. comprise an azolopyrimidine deriv. I (R1 = alkyl, alkenyl or haloalkyl; R2 = H or alkyl; R1R2 = alkylene; L1 = halo; L2, L3 = H or halo) and benomyl, carboxin, captan, chlorothalonil, copper oxychloride, cyprodinil, dimethomorph, dithianon, dodine, famoxadone, fenhexamid, fenpiclonil, fenpropimorph, fluazinam, mancozeb, metalaxyl, pyrimethanil, quinoxifen, sulfur, triforine, vinclozolin, a fungicidal triazole deriv., or a synthetic strobilurine deriv.

IT 261516-06-7 261516-07-8 261516-08-9
261516-09-0 261516-10-3 261516-11-4
261516-12-5 261516-13-6 261516-16-9
261516-18-1 261516-19-2 261516-22-7
261516-23-8 261516-24-9 261516-26-1
261516-27-2

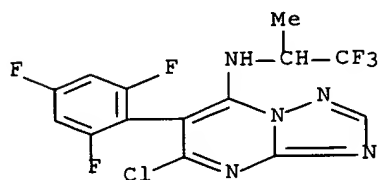
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic fungicidal compn.)

RN 261516-06-7 HCAPLUS
CN Cyclopentanol, 5-[(4-chlorophenyl)methyl]-2,2-dimethyl-1-(1H-1,2,4-triazol-1-ylmethyl)-, mixt. with 5-chloro-N-(2,2,2-trifluoro-1-methylethyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (9CI) (CA INDEX NAME)

CM 1

CRN 214633-94-0

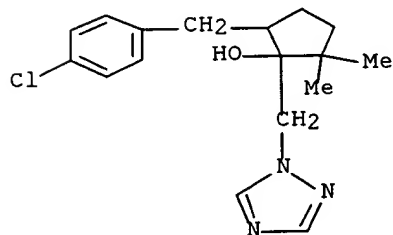
CMF C14 H8 Cl F6 N5



CM 2

CRN 125116-23-6

CMF C17 H22 Cl N3 O



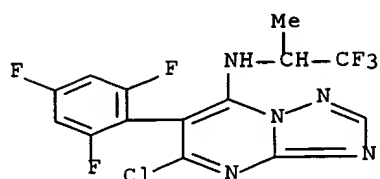
Berch 09/840,488

RN 261516-07-8 HCAPLUS
CN Benzeneacetic acid, .alpha.-(methoxyimino)-2-[(2-methylphenoxy)methyl]-, methyl ester, (.alpha.E)-, mixt. with 5-chloro-N-(2,2,2-trifluoro-1-methylethyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (9CI) (CA INDEX NAME)

CM 1

CRN 214633-94-0

CMF C14 H8 Cl F6 N5



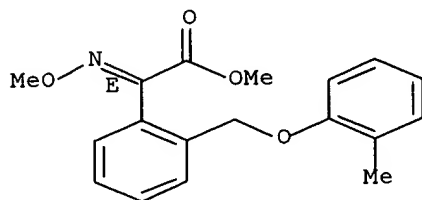
CM 2

CRN 143390-89-0

CMF C18 H19 N O4

CDES 2:E

Double bond geometry as shown.



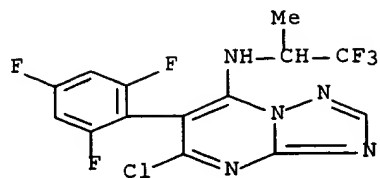
RN 261516-08-9 HCAPLUS
CN 1,4-Oxathiin-3-carboxamide, 5,6-dihydro-2-methyl-N-phenyl-, mixt. with 5-chloro-N-(2,2,2-trifluoro-1-methylethyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (9CI) (CA INDEX NAME)

CM 1

CRN 214633-94-0

CMF C14 H8 Cl F6 N5

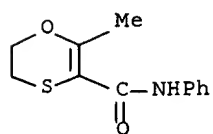
Berch 09/840,488



CM 2

CRN 5234-68-4

CMF C12 H13 N O2 S



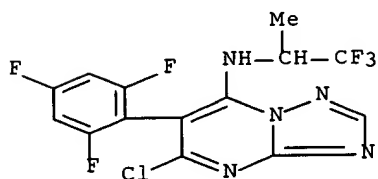
RN 261516-09-0 HCAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-(2,2,2-trifluoro-1-methylethyl)-6-(2,4,6-trifluorophenyl)-, mixt. with 3-chloro-N-[3-chloro-2,6-dinitro-4-(trifluoromethyl)phenyl]-5-(trifluoromethyl)-2-pyridinamine (9CI) (CA INDEX NAME)

CM 1

CRN 214633-94-0

CMF C14 H8 Cl F6 N5

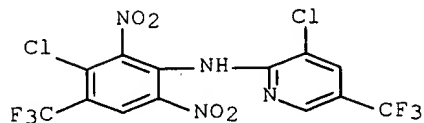


CM 2

CRN 79622-59-6

CMF C13 H4 Cl2 F6 N4 O4

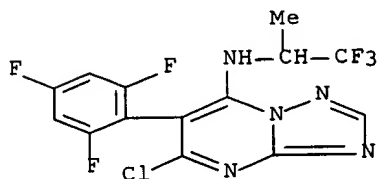
Berch 09/840,488



RN 261516-10-3 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-(2,2,2-trifluoro-1-methylethyl)-6-(2,4,6-trifluorophenyl)-, mixt. with 5,7-dichloro-4-(4-fluorophenoxy)quinoline (9CI) (CA INDEX NAME)

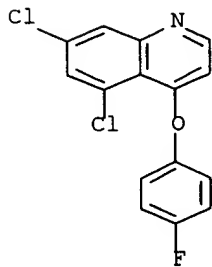
CM 1

CRN 214633-94-0
CMF C14 H8 Cl F6 N5



CM 2

CRN 124495-18-7
CMF C15 H8 Cl2 F N O



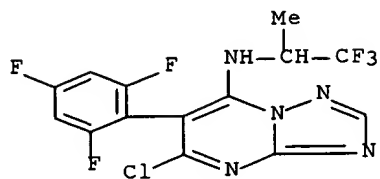
RN 261516-11-4 HCAPLUS
CN Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-, methyl ester, mixt. with 5-chloro-N-(2,2,2-trifluoro-1-methylethyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (9CI) (CA INDEX NAME)

CM 1

CRN 214633-94-0

Berch 09/840,488

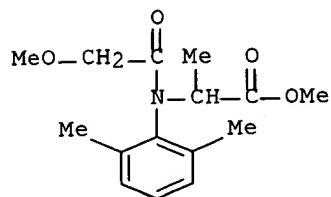
CMF C14 H8 Cl F6 N5



CM 2

CRN 57837-19-1

CMF C15 H21 N O4



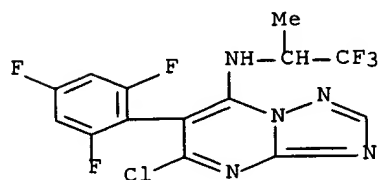
RN 261516-12-5 HCAPLUS

CN 2,4-Oxazolidinedione, 5-methyl-5-(4-phenoxyphenyl)-3-(phenylamino)-, mixt. with 5-chloro-N-(2,2,2-trifluoro-1-methylethyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (9CI) (CA INDEX NAME)

CM 1

CRN 214633-94-0

CMF C14 H8 Cl F6 N5

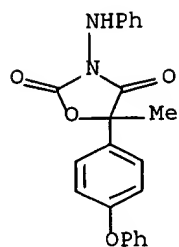


CM 2

CRN 131807-57-3

CMF C22 H18 N2 O4

Berch 09/840,488

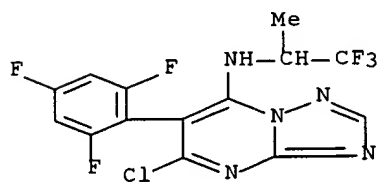


RN 261516-13-6 HCAPLUS
CN Guanidine, dodecyl-, monoacetate, mixt. with 5-chloro-N-(2,2,2-trifluoro-1-methylethyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (9CI) (CA INDEX NAME)

CM 1

CRN 214633-94-0

CMF C14 H8 Cl F6 N5



CM 2

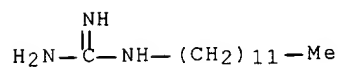
CRN 2439-10-3

CMF C13 H29 N3 . C2 H4 O2

CM 3

CRN 112-65-2

CMF C13 H29 N3

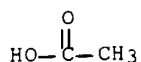


CM 4

CRN 64-19-7

CMF C2 H4 O2

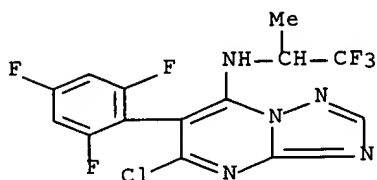
Berch 09/840,488



RN 261516-16-9 HCAPLUS
CN Formamide, N,N'-[1,4-piperazinediylbis(2,2,2-trichloroethylidene)]bis-,
mixt. with 5-chloro-N-(2,2,2-trifluoro-1-methylethyl)-6-(2,4,6-
trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (9CI) (CA INDEX
NAME)

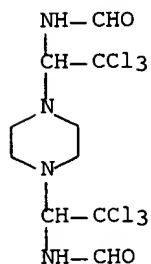
CM 1

CRN 214633-94-0
CMF C14 H8 Cl F6 N5



CM 2

CRN 26644-46-2
CMF C10 H14 Cl6 N4 O2

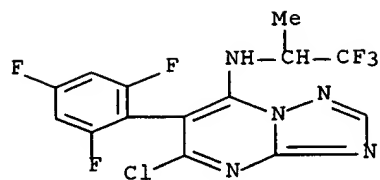


RN 261516-18-1 HCAPLUS
CN Naphtho[2,3-b]-1,4-dithiin-2,3-dicarbonitrile, 5,10-dihydro-5,10-dioxo-,
mixt. with 5-chloro-N-(2,2,2-trifluoro-1-methylethyl)-6-(2,4,6-
trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (9CI) (CA INDEX
NAME)

CM 1

CRN 214633-94-0
CMF C14 H8 Cl F6 N5

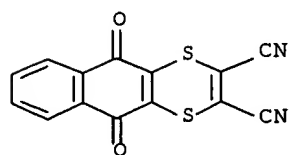
Berch 09/840,488



CM 2

CRN 3347-22-6

CMF C14 H4 N2 O2 S2

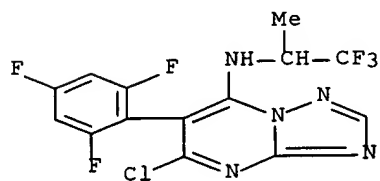


RN 261516-19-2 HCAPLUS
CN 1H-Isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-
, mixt. with 5-chloro-N-(2,2,2-trifluoro-1-methylethyl)-6-(2,4,6-
trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (9CI) (CA INDEX
NAME)

CM 1

CRN 214633-94-0

CMF C14 H8 Cl F6 N5

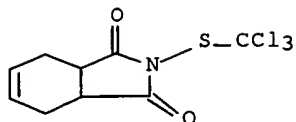


CM 2

CRN 133-06-2

CMF C9 H8 Cl3 N O2 S

Berch 09/840,488



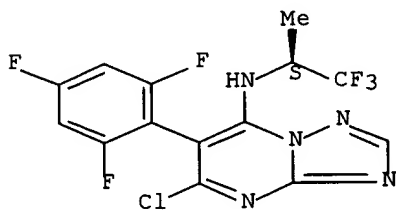
RN 261516-22-7 HCAPLUS
CN Cyclohexanecarboxamide, N-(2,3-dichloro-4-hydroxyphenyl)-1-methyl-, mixt.
with 5-chloro-N-[(1S)-2,2,2-trifluoro-1-methylethyl]-6-(2,4,6-
trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (9CI) (CA INDEX
NAME)

CM 1

CRN 249648-16-6

CMF C14 H8 Cl F6 N5

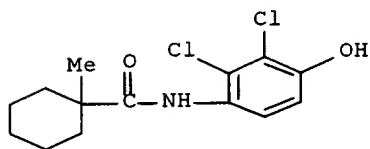
Absolute stereochemistry.



CM 2

CRN 126833-17-8

CMF C14 H17 Cl2 N O2



RN 261516-23-8 HCAPLUS
CN Benzeneacetic acid, 2-[[6-(2-cyanophenoxy)-4-pyrimidinyl]oxy]-.alpha.-
(methoxymethylene)-, methyl ester, (.alpha.E)-, mixt. with
5-chloro-N-[(1S)-2,2,2-trifluoro-1-methylethyl]-6-(2,4,6-
trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (9CI) (CA INDEX
NAME)

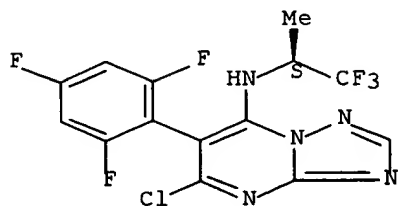
CM 1

CRN 249648-16-6

Berch 09/840,488

CMF C14 H8 Cl F6 N5

Absolute stereochemistry.



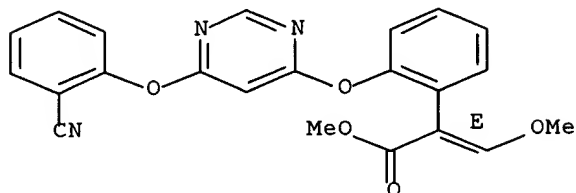
CM 2

CRN 131860-33-8

CMF C22 H17 N3 O5

CDES 2:E

Double bond geometry as shown.



RN 261516-24-9 HCAPLUS

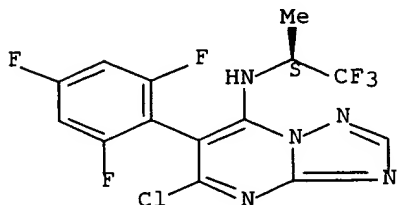
CN Benzeneacetic acid, .alpha.-(methoxyimino)-2-[[[(E)-[1-[3-(trifluoromethyl)phenyl]ethylidene]amino]oxy]methyl]-, methyl ester, (.alpha.E)-, mixt. with 5-chloro-N-[(1S)-2,2,2-trifluoro-1-methylethyl]-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (9CI) (CA INDEX NAME)

CM 1

CRN 249648-16-6

CMF C14 H8 Cl F6 N5

Absolute stereochemistry.



Berch 09/840,488

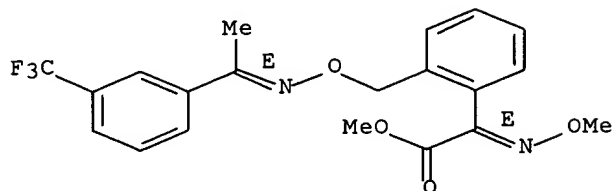
CM 2

CRN 141517-21-7

CMF C20 H19 F3 N2 O4

CDES 2:E,E

Double bond geometry as shown.



RN 261516-26-1 HCAPLUS

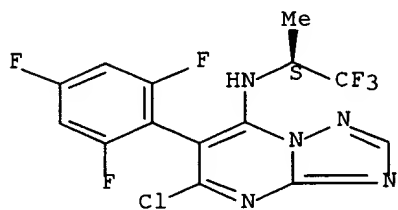
CN Benzeneacetic acid, .alpha.-(methoxyimino)-2-[(2-methylphenoxy)methyl]-, methyl ester, (.alpha.E)-, mixt. with 5-chloro-N-[(1S)-2,2,2-trifluoro-1-methylethyl]-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (9CI) (CA INDEX NAME)

CM 1

CRN 249648-16-6

CMF C14 H8 Cl F6 N5

Absolute stereochemistry.



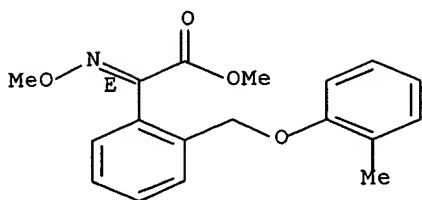
CM 2

CRN 143390-89-0

CMF C18 H19 N O4

CDES 2:E

Double bond geometry as shown.

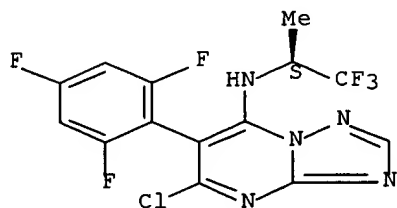


RN 261516-27-2 HCAPLUS
 CN 1H-1,2,4-Triazole-1-ethanol, .alpha.-(4-chlorophenyl)-.alpha.-(1-cyclopropylethyl)-, mixt. with 5-chloro-N-[(1S)-2,2,2-trifluoro-1-methylethyl]-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (9CI) (CA INDEX NAME)

CM 1

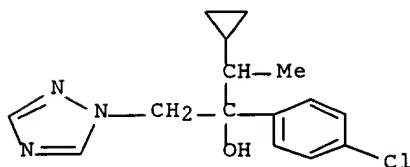
CRN 249648-16-6
 CMF C14 H8 Cl F6 N5

Absolute stereochemistry.



CM 2

CRN 94361-06-5
 CMF C15 H18 Cl N3 O



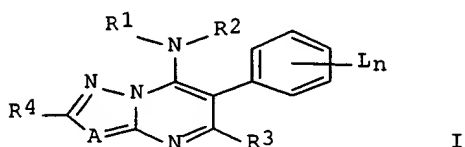
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 9 OF 11 HCAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2000:201137 HCAPLUS
 DOCUMENT NUMBER: 132:233022

TITLE: Synergistic fungicidal mixtures containing
 azolopyrimidines and melanin biosynthesis inhibitors
 INVENTOR(S): Ziefelding, Ebert; May, Leslie
 PATENT ASSIGNEE(S): American Cyanamid Co., USA
 SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000086412	A2	20000328	JP 1999-250142	19990903
KR 2000022933	A	20000425	KR 1999-37680	19990906
BR 9904095	A	20000926	BR 1999-4095	19990909
CN 1247025	A	20000315	CN 1999-118592	19990910
PRIORITY APPLN. INFO.:			US 1998-150557	A 19980910
OTHER SOURCE(S):		MARPAT 132:233022		

GI



AB Microbicides that are used to control plant pathogens comprise synergistically effective amts. of .gtoreq.1 azolopyrimidine (I ; R1, R2 = H, (un)substituted alkyl, alkenyl, (hetero)aryl, (bi)cycloalkyl, etc., or R1 and R2 may form a part of a ring; R3 = H, halo, alkyl; R4 = H, alkyl, or aryl; L = halo, (un)substituted alkyl, alkoxy; A = N, CR5; R5 has the same meanings as R4; n = 0-5), .gtoreq.1 melanin biosynthesis inhibitor (MBI), and allowable carriers and/or surfactants. Thus, a mixt. of 5-chloro-6-(2-chloro-6-fluorophenyl)-7-(4-methylpiperid-1-yl)-[1,2,4]triazol[1,5-a]pyrimidine and N-(1-cyano-1,2-dimethylpropyl)-2-(2,4-dichlorophenoxy)propionamide synergistically controlled Pyricularia oryzae in rice.

IT **261967-30-0**

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(synergistic fungicide for controlling plant pathogens)

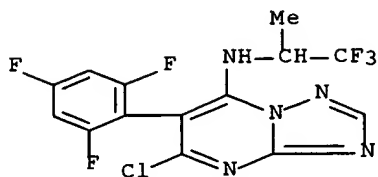
RN 261967-30-0 HCAPLUS

CN Propanamide, N-(1-cyano-1,2-dimethylpropyl)-2-(2,4-dichlorophenoxy)-, mixt. with 5-chloro-N-(2,2,2-trifluoro-1-methylethyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (9CI) (CA INDEX NAME)

CM 1

CRN 214633-94-0

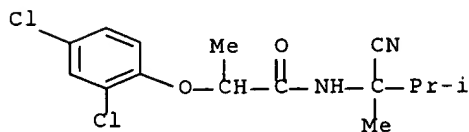
CMF C14 H8 Cl F6 N5



CM 2

CRN 115852-48-7

CMF C15 H18 Cl2 N2 O2



L5 ANSWER 10 OF 11 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1999:626195 HCAPLUS

DOCUMENT NUMBER: 131:228731

TITLE: Preparation of 6-(2-halo-4-alkoxyphenyl)-triazolopyrimidines as agrochemical fungicides.

INVENTOR(S): Pfrengle, Waldemar

PATENT ASSIGNEE(S): American Cyanamid Company, USA

SOURCE: PCT Int. Appl., 35 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9948893	A1	19990930	WO 1999-US5915	19990319
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, BG, BR, CA, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
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KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,
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 GA, GN, ML, MR, NE, SN, TD, TG

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CA 2324154	AA	19990930	CA 1999-2324154	19990319
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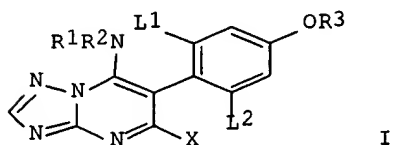
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PRIORITY APPLN. INFO.:

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US 1998-160899	A	19980925
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US 1998-150572	A	19980910
WO 1999-US5915	W	19990319

OTHER SOURCE(S): MARPAT 131:228731

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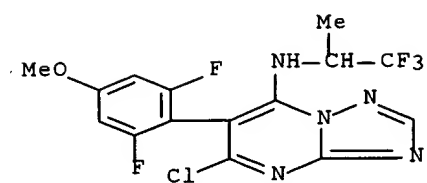
AB Title compds. [I; R1, R2 = H, (substituted) alkyl, alkenyl, alkynyl, alkadienyl, haloalkyl, aryl, heteroaryl, cycloalkyl, bicycloalkyl, heterocyclyl; R1R2N = (substituted) heterocyclyl; R3 = alkyl, alkenyl, alkynyl, phenylalkyl, alkoxyalkyl, polyalkoxyalkyl, Ph, haloalkyl; L1 = H, F, Cl; L2 = F, Cl; X = halo], were prepd. Thus, 4-methylpiperidine, Et3N, and 5,7-dichloro-(2,6-difluoro-4-methoxyphenyl)-1,2,4-triazolo[1,5-a]pyrimidine (prepn. given) were stirred 16 h to give 5-chloro-(2,6-difluoro-4-methoxyphenyl)-7-(4-methylpiperid-1-yl)-1,2,4-triazolo[1,5-a]pyrimidine. The latter showed a min. inhibitory concn. of <0.05 .mu.g/mL against *Alternaria solani*.

IT 214634-49-8P 244092-08-8P 244092-10-2P
 244092-11-3P 244092-24-8P 244092-25-9P
 244092-26-0P 244092-27-1P 244092-28-2P
 244092-29-3P 244092-30-6P 244092-31-7P
 244092-36-2P 244092-37-3P 244092-38-4P
 244092-39-5P 244092-43-1P 244092-46-4P
 244092-47-5P 244092-48-6P 244092-49-7P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of 6-(2-halo-4-alkoxyphenyl)-triazolopyrimidines as agrochem. fungicides)

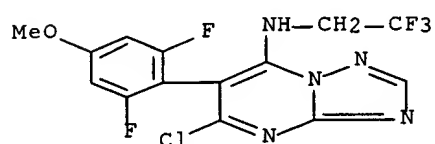
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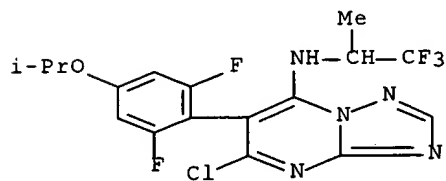
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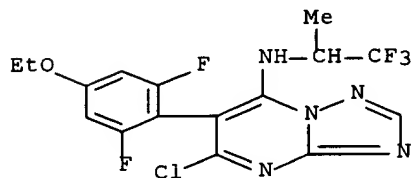
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CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-[2,6-difluoro-4-(1-methylethoxy)phenyl]-N-(2,2,2-trifluoro-1-methylethyl)- (9CI) (CA INDEX NAME)



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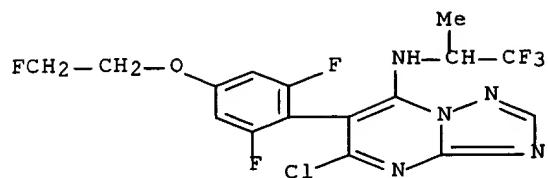
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(4-ethoxy-2,6-difluorophenyl)-N-(2,2,2-trifluoro-1-methylethyl)- (9CI) (CA INDEX NAME)



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CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-[2,6-difluoro-4-(2-fluoroethoxy)phenyl]-N-(2,2,2-trifluoro-1-methylethyl)- (9CI) (CA INDEX NAME)

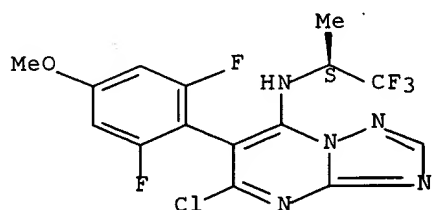
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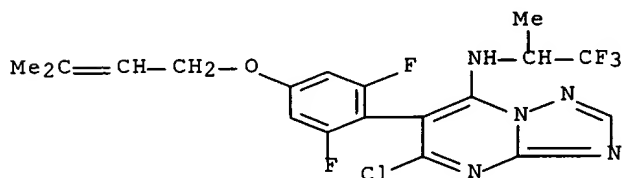
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(2,6-difluoro-4-methoxyphenyl)-N-[(1S)-2,2,2-trifluoro-1-methylethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 244092-26-0 HCAPLUS

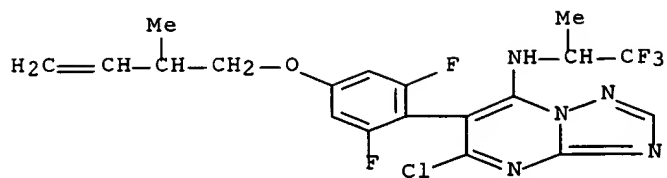
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-[2,6-difluoro-4-[(3-methyl-2-butenyl)oxy]phenyl]-N-(2,2,2-trifluoro-1-methylethyl)- (9CI) (CA INDEX NAME)



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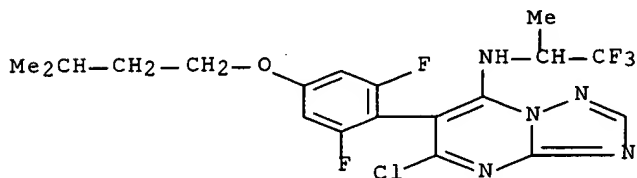
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-[2,6-difluoro-4-[(2-methyl-3-butenyl)oxy]phenyl]-N-(2,2,2-trifluoro-1-methylethyl)- (9CI) (CA INDEX NAME)

Berch 09/840,488



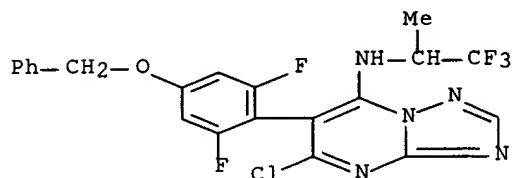
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CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-[2,6-difluoro-4-(3-methylbutoxy)phenyl]-N-(2,2,2-trifluoro-1-methylethyl)- (9CI) (CA INDEX NAME)



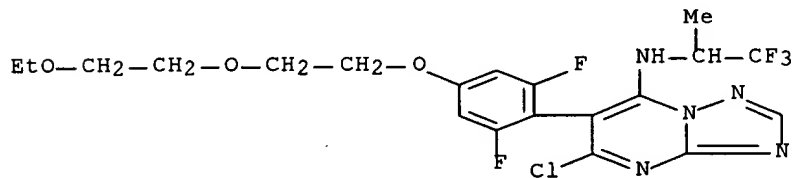
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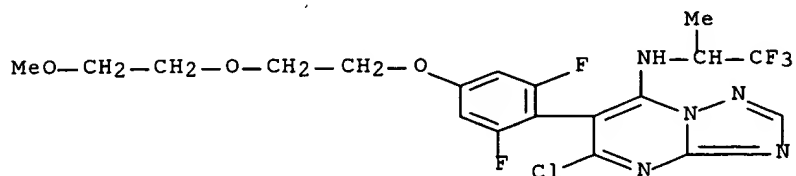
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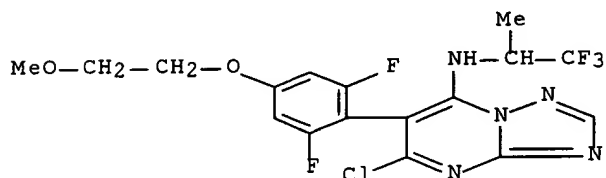
Berch 09/840,488

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-[2,6-difluoro-4-[2-(2-methoxyethoxy)ethoxy]phenyl]-N-(2,2,2-trifluoro-1-methylethyl)- (9CI) (CA INDEX NAME)



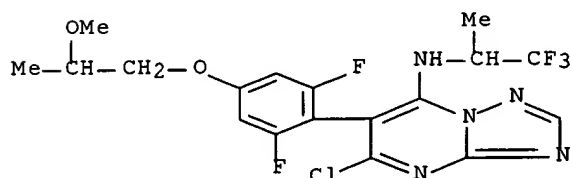
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CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-[2,6-difluoro-4-(2-methoxyethoxy)phenyl]-N-(2,2,2-trifluoro-1-methylethyl)- (9CI) (CA INDEX NAME)



RN 244092-37-3 HCAPLUS

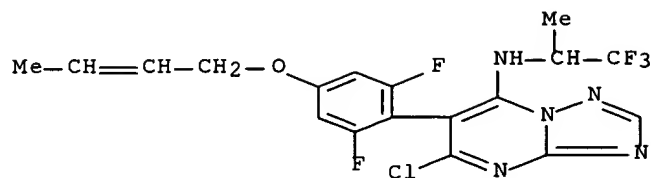
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-[2,6-difluoro-4-(2-methoxypropoxy)phenyl]-N-(2,2,2-trifluoro-1-methylethyl)- (9CI) (CA INDEX NAME)



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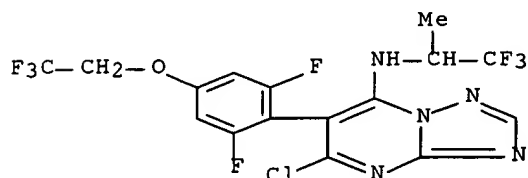
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-[4-(2-butenyloxy)-2,6-difluorophenyl]-5-chloro-N-(2,2,2-trifluoro-1-methylethyl)- (9CI) (CA INDEX NAME)

Berch 09/840,488



RN 244092-39-5 HCAPLUS

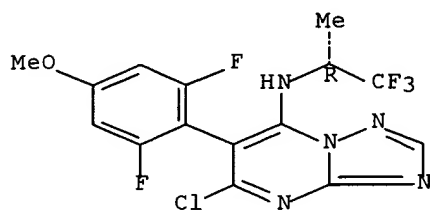
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-[2,6-difluoro-4-(2,2,2-trifluoroethoxy)phenyl]-N-(2,2,2-trifluoro-1-methylethyl)- (9CI) (CA INDEX NAME)



RN 244092-43-1 HCAPLUS

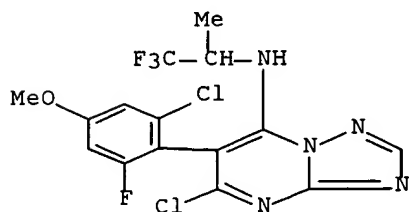
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(2,6-difluoro-4-methoxyphenyl)-N-[(1R)-2,2,2-trifluoro-1-methylethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

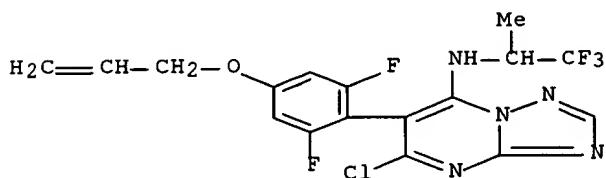


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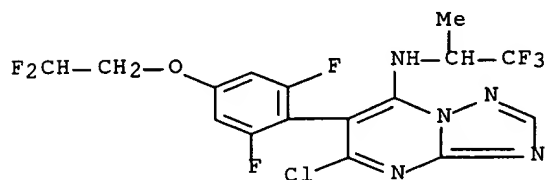
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(2-chloro-6-fluoro-4-methoxyphenyl)-N-(2,2,2-trifluoro-1-methylethyl)- (9CI) (CA INDEX NAME)



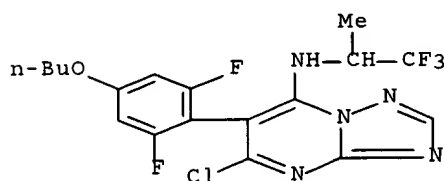
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RN 244092-48-6 HCAPLUS
 CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-[4-(2,2-difluoroethoxy)-2,6-difluorophenyl]-N-(2,2,2-trifluoro-1-methylethyl)- (9CI) (CA INDEX NAME)



RN 244092-49-7 HCAPLUS
 CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(4-butoxy-2,6-difluorophenyl)-5-chloro-N-(2,2,2-trifluoro-1-methylethyl)- (9CI) (CA INDEX NAME)



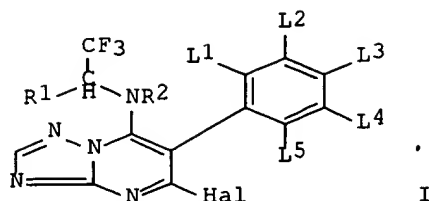
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 11 OF 11 HCAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1998:708827 HCAPLUS
 DOCUMENT NUMBER: 129:302657
 TITLE: Preparation of fungicidal
 [trifluoromethyl(alkyl)amino]triazolopyrimidines
 INVENTOR(S): Pees, Klaus-Juergen; Krummel, Guenter; Van Tuyl
 Cotter, Henry; Rehnig, Annerose; May, Leslie;

Pfrenge, Waldemar; Albert, Guido
 PATENT ASSIGNEE(S): American Cyanamid Co., USA
 SOURCE: PCT Int. Appl., 39 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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OTHER SOURCE(S): MARPAT 129:302657
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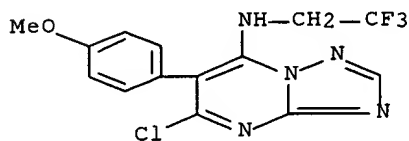
AB The title compds. [I; R1, R2 = H, (un)substituted alk(en)yl, alkynyl, alkadienyl or Ph; Hal = halo; L1-L5 = H, halo, alkyl, alkoxy, NO2], fungicides with selective activity, were prepd. by amination of 5,7-dihalo-6-phenyltriazolopyrimidines with trifluoroalkylamines. The new compds. are processed with carriers and adjuvants to fungicidal compns.. For example, a stirred mixt. of 1.4 mmol 5,7-dichloro-6-(2-chloro-6-fluorophenyl)-1,2,4-triazolo[1.5a]pyrimidine with 30 mL CH2Cl2 was treated with a mixt. of 4.2 mmol CF3CH2NH2 and 10 mL CH2Cl2 and the whole was stirred for 16 h at ambient temp. to give I (R2 = L2 = L3 = L4 = H, L5 = F) (II; R1 = H, L1 = Cl). II (R1 = Me, L1 = F) (III) inhibited mycelial growth of *Alternaria solani* and *Rhizoctonia solani* with MIC 0.78 and 3.13 mg/mL, resp. Emulsion and suspension conc., wettable powder and H2O-dispersible granule formulations contg. III were given.

IT 214634-35-2P 214634-36-3P 214634-49-8P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of fungicidal [trifluoromethyl(alkyl)amino]triazolopyrimidines)

RN 214634-35-2 HCAPLUS

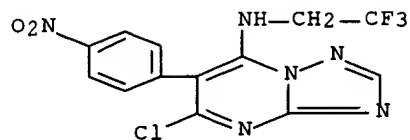
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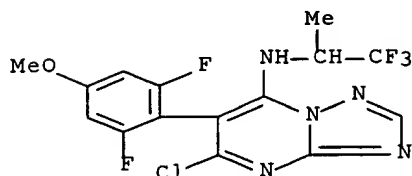
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Berch 09/840,488



RN 214634-49-8 HCAPLUS
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FILE COVERS 1907-1966

FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

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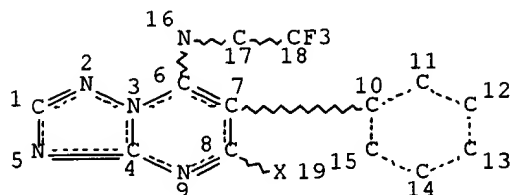
=> del 16-17 y

=> s 14

L6 0 L4

=> d que 15

L1 STR



NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 19

STEREO ATTRIBUTES: NONE

L3 143 SEA FILE=REGISTRY SSS FUL L1

L4 53 SEA FILE=REGISTRY L3 AND O>=1

L5 11 SEA FILE=HCAPLUS L4

Smith, Mona

From: STIC-Biotech/ChemLib
Sent: Wednesday, August 14, 2002 11:33 AM
To: Delaval, Jan; Hanley, Susan; Hart, Edward; Larson, Thom; O'Bryen, Barbara; Port, Toby; Ruhl, Mary; Schreiber, David; Schulwitz, Paul; Shears, Beverly; Sheppard, Paula; Smith, Mona; Wacławiw, Alexandra
Subject: Deadline! need back before 3PM today...Bill Mercier will be here tomorrow at 9:30.
Importance: High

Please sign up for the time slot you wish to have him work with you one-on-one. Each session will be for 1 hour. If few people sign up, the sessions can be longer. Please have ready searches to work on, if you have nothing, it's a good idea to come down and pick through the folders. We have rec'd many non sequence searches in the last two days. Bill will not have examples for you to work on.

Please forward this back to me with your desired time before 3PM today

Thursday, August 15, 2002

9:30-10:30

11:00-12:00

1:00-2:00

2:00-3:00

3:00-4:00

4:00-5:00

Searcher:
Phone:
Location:
Date Picked Up:
Date Completed:
Searcher Prep/Review:
Clerical:
Online Time

NA sequences:
AA sequences:
Structures:
Bibliographic
Litigation:
Full text:
Patent Family
Other:

Vendor Cost:
STN:
Dialog:
Orbit/Questel:
Lexis/Nexis:
Sequence Sys:
WWW/Internet:
Other: